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(57) Abstract <p>The present invention concerns a process for preventing the demyelination of nerve fibers, in particular of human nerve fibers, in which the human being is treated with nerve growth factor (NGF) or active fragments of NGF. In addition, a composition for treating diseases in which a demyelination of nerve fibers occurs is disclosed. The composition contains NGF or an active fragment thereof as the active substance together with the usual pharmaceutical vehicles, auxiliary substances, fillers and diluents.</p>			